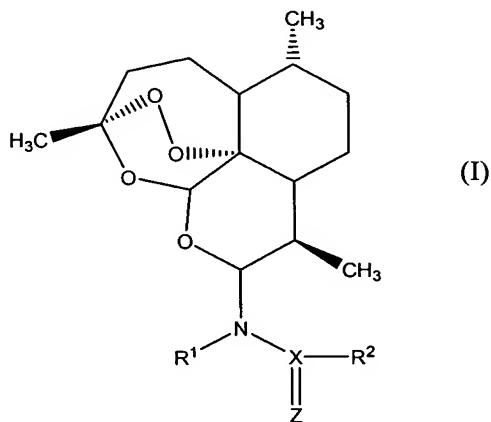


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A compound of the general formula I:



or a salt thereof, or a solvate thereof, or a solvate of a salt thereof,

in which

R<sup>1</sup> represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group;

X represents a carbon atom, a sulfur atom, a sulfoxide group S=O or a group PR<sup>3</sup>, P-O-R<sup>3</sup> or P-N(R<sup>4</sup>)-R<sup>3</sup> where R<sup>3</sup> and R<sup>4</sup> each independently represent a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group;

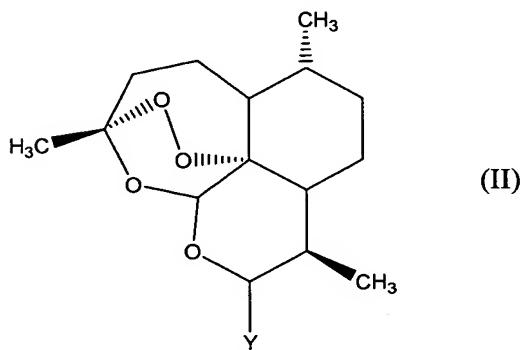
- Z represents an oxygen atom, a sulfur atom or a group NR<sup>5</sup> where R<sup>5</sup> represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group; and
- R<sup>2</sup> represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a group N(R<sup>6</sup>)<sub>2</sub>, NHNH<sub>2</sub>, NR<sup>6</sup>NHR<sup>6</sup> or NR<sup>6</sup>N(R<sup>6</sup>)<sub>2</sub>, or a group OR<sup>6</sup> or SR<sup>6</sup> where each R<sup>6</sup> independently represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a 10a-dihydroartemisinyl group, or R<sup>2</sup> represents a group OR<sup>7</sup> or NR<sup>6</sup>R<sup>7</sup> where R<sup>6</sup> represents a group as defined above and R<sup>7</sup> represents a bond attached as a substituent to R<sup>5</sup> together with the ~~interjacent~~ group -X=Z- forming an optionally substituted heterocyclic group where Z represents a group NR<sup>5</sup>, or R<sup>7</sup> represents a bond attached as a substituent to R<sup>1</sup> together with the ~~interjacent~~ group -N-X(=Z)- forming an optionally substituted heterocyclic group.
2. (Currently Amended) A compound according to claim 1 in which R<sup>1</sup> represents a hydrogen atom, a methyl group, ethyl group or longer straight-chain alkyl group or a branched alkyl group containing up to 9 carbon atoms, ~~preferably a hydrogen atom, a methyl group or an ethyl group~~.
3. (Currently Amended) A compound according to claim 1 or 2 in which X represents a carbon atom, a sulfur atom, or a group PR<sup>3</sup>, P-O-R<sup>3</sup> or P-N(R<sup>4</sup>)-R<sup>3</sup> where R<sup>3</sup> and R<sup>4</sup> each independently represent a C<sub>6-18</sub> aryl group or a 5- to 10-membered C-linked heteroaryl group or a 5- to 10-membered heterocycl-C<sub>1-6</sub> alkyl group optionally

substituted by one or more substituents selected from the group consisting of halogen atoms, hydroxyl, C<sub>1-4</sub> alkyl, C<sub>2-4</sub> alkenyl, C<sub>1-4</sub> haloalkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> haloalkoxy, amino, C<sub>1-4</sub> alkylamino, di(C<sub>1-4</sub> alkyl)amino and carboxyl groups.

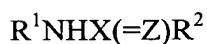
4. (Currently Amended) A compound according to ~~any claims~~ claim 1 to 3 in which Z represents an oxygen atom, or a group NR<sup>5</sup> where R<sup>5</sup> represents a hydrogen atom, a methyl group, ethyl group or longer straight-chain alkyl group or branched alkyl group containing up to 9 carbon atoms or a C<sub>6-18</sub> aryl group or a 5- to 10-membered C-linked heteroaryl group or a 5- to 10-membered heterocyclyl-C<sub>1-6</sub> alkyl group optionally substituted by one or more substituents selected from the group consisting of halogen atoms, hydroxyl, C<sub>1-4</sub> alkyl, C<sub>2-4</sub>, alkenyl, C<sub>1-4</sub> haloalkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> haloalkoxy, amino, C<sub>1-4</sub> alkylamino, di(C<sub>1-4</sub> alkyl)amino and carboxyl groups.
5. (Currently Amended) A compound according to ~~any of the preceding claims~~ claim 1 in which R<sup>2</sup> represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a group OR<sup>6</sup>, SR<sup>6</sup>, NH<sub>2</sub>, NHR<sup>6</sup>, or N(R<sup>6</sup>)<sub>2</sub> where each R<sup>6</sup> independently represents a methyl group, ethyl group or longer straight-chain alkyl group or branched alkyl group containing up to 9 carbon atoms atoms, or is a C<sub>6-18</sub> aryl group or a 5- to 10-membered C-linked heteroaryl group or a 5- to 10-membered heterocyclyl-C<sub>1-6</sub> alkyl group optionally substituted by one or more substituents selected from the group consisting of halogen atoms, hydroxyl, C<sub>1-4</sub> alkyl, C<sub>2-4</sub> alkenyl, C<sub>1-4</sub> haloalkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> haloalkoxy, amino, C<sub>1-4</sub> alkylamino, di(C<sub>1-4</sub> alkyl)amino and carboxyl groups.

6. (Currently Amended) A compound according to ~~any of the preceding claims~~  
~~claim 1~~ in which R<sup>1</sup> represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, ~~preferably a hydrogen atom or an alkyl group, more preferably a hydrogen atom or a methyl group or an ethyl group~~; X represents a carbon, phosphorus or sulfur atom, ~~preferably a carbon or sulfur atom~~; Z represents an oxygen atom or a group NR<sup>5</sup> in where R<sup>5</sup> represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, ~~preferably an oxygen atom~~; and R<sup>2</sup> represents a group OR<sup>6</sup>, SR<sup>6</sup>, NH<sub>2</sub>, NHR<sup>6</sup>, or NH<sup>2</sup>, or N(R<sup>6</sup>)<sub>2</sub> where each R<sup>6</sup> independently represents a hydrogen atom or an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl or aralkyl group, or a 10 $\alpha$ -dihydroartemisinyl group, ~~preferably a hydrogen atom or an optionally substituted alkyl or aryl group, more preferably R<sup>2</sup> represents a group NH<sub>2</sub>, or a group NHR<sup>6</sup> where R<sup>6</sup> represents an alkyl group, or a group N(R<sup>6</sup>)<sub>2</sub> where R<sup>6</sup> represents identical or differentiated alkyl groups.~~
7. A compound according to ~~any of the preceding claims~~  
~~claim 1~~ in which R<sup>1</sup> represents a hydrogen atom, X represents a sulfoxide group S=O, Z represents an oxygen atom, and R<sup>2</sup> represents a group NH<sub>2</sub>, or in which R<sup>1</sup> represents a hydrogen atom, X represents a carbon atom, Z represents a group NH, and R<sup>2</sup> represents a group NHR<sup>6</sup> where R<sup>6</sup> represents a hydrogen atom or an optionally substituted alkyl, cycloalkyl, aryl or aralkyl group; or in which R<sup>1</sup> represents a hydrogen atom, X represents a carbon atom, Z represents an oxygen atom, and R<sup>2</sup> represents a group NHR<sup>6</sup> where R<sup>6</sup> is a hydrogen atom or an optionally substituted alkyl, cycloalkyl, aryl or aralkyl group.

8. A process for the preparation of a compound of the general formula I according to ~~any of the preceding claims~~ claim 1 which comprises reacting a compound of the ~~general~~ formula II comprising an artemisinin nucleus:



in which Y represents a group containing comprising an oxygen atom attached to the carbon atom of the artemisinin nucleus and also to a hydrogen atom or trimethylsilyl group, with a suitable halogenating agent to form a compound of the ~~general~~ formula II in which Y represents a halogen atom; and, if desired, reacting the compound of ~~general~~ formula II ~~thus formed~~ in which Y represents a halogen atom with an amine of the ~~general~~ formula:



where  $R^1$ ,  $R^2$ , X and Z are as defined ~~any of the preceding claims~~ in claim 1 to form a compound of ~~general~~ the formula I.

9. (Canceled.)

10. A pharmaceutical composition which comprises a carrier and, ~~as active ingredient, a therapeutically effective amount of~~ a compound according to ~~any of claims~~ claim 1 to 7.
11. (Canceled.)
12. (Canceled.)
13. A method for treating a disease caused by infection with a parasite which comprises administering to a host in need of such treatment a therapeutically effective amount of a compound according to ~~any of claims~~ claim 1 to 7.
14. (New) A compound according to claim 2 in which R<sup>1</sup> represents a hydrogen atom, a methyl group or an ethyl group.
15. (New) A compound according to claim 6 in which R<sup>1</sup> represents a hydrogen atom or an alkyl group; X represents a carbon or sulfur atom; Z represents an oxygen atom; R<sup>6</sup> represents a hydrogen atom or an optionally substituted alkyl or aryl group; or R<sup>2</sup> represents a group NH<sub>2</sub>, or a group NHR<sup>6</sup> where R<sup>6</sup> represents an alkyl group, or a group N(R<sup>6</sup>)<sub>2</sub> where R<sup>6</sup> represents identical or different alkyl groups.
16. (New) A compound according to claim 15 in which R<sup>1</sup> represents a hydrogen atom or a methyl group or an ethyl group; or R<sup>2</sup> represents a group NH<sub>2</sub>, or a group NHR<sup>6</sup> where R<sup>6</sup> represents an alkyl group, or a group N(R<sup>6</sup>)<sub>2</sub> where R<sup>6</sup> represents identical or different alkyl groups.